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1 [Intrusion detection techniques for mobile wireless networks](#)

Yongguang Zhang, Wenke Lee, Yi-An Huang

September 2003 Wireless Networks, Volume 9 Issue 5

Publisher: Kluwer Academic Publishers

Full text available: Pdf (164.73 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 40, Downloads (12 Months): 492, Citation Count: 15

The rapid proliferation of wireless networks and mobile computing applications has changed the landscape of network security. The traditional way of protecting networks with firewalls and encryption software is no longer sufficient and effective. We ...

Keyw ords: anomaly detection, cooperative detection, intrusion detection, intrusion response, mobile ad-hoc networks

2 Digital rights management in a 3G mobile phone and beyond



Thomas S. Messerges, Ezzat A. Dabbish

October 2003 DRM '03: Proceedings of the 3rd ACM workshop on Digital rights management

Publisher: ACM

Full text available: Pdf (306.59 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 23, Downloads (12 Months): 316, Citation Count: 4

In this paper we examine how copyright protection of digital items can be securely managed in a 3G mobile phone and other devices. First, the basic concepts, strategies, and requirements for digital rights management are reviewed. Next, a framework for ...

Keyw ords: MPEG-21, copyright protection, cryptography, digital content, digital rights management, embedded system, key management, mobile phone, open mobile alliance, security

3 Issues in relationship management for obtaining the benefits of a shared service center



Marijn Janssen, Anton Joha

March 2004 I CEC '04: Proceedings of the 6th international conference on Electronic commerce

Publisher: ACM

Full text available: Pdf (348.22 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 34, Downloads (12 Months): 361, Citation Count: 3

Shared service centers (SSCs) are gaining importance in public administration as a means to innovate, reduce costs and increase service levels. By unbundling and concentrating activities, the basis premise for a SSC seems to be that services provided ...

Keyw ords: e-government, outsourcing, relationships management, shared service center

4 On the scalability of network management information for inter-domain light-path assessment

Guanglei Liu, Chuanyi Ji, Vincent W. S. Chan

February 2005 IEEE/ ACM Transactions on Networking (TON), Volume 13 Issue 1

Publisher: IEEE Press

Full text available: Pdf (600.28 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 42, Citation Count: 1

We investigate the necessary amount of network management information for light-path assessment to dynamically set up end-to-end light-paths across administrative domains in optical networks. Our focus is on the scalability of partial management information. ...

Keyw ords: Bayes rule, blocking probability, decision theory, light-path assessment, management information, scalability

5 End-user controlled group formation and access rights management in a shared workspace system



Joerg M. Haake, Anja Haake, Till Schümmer, Mohamed Bourimi, Britta Landgraf
November 2004 CSCW '04: Proceedings of the 2004 ACM conference on Computer supported cooperative work

Publisher: ACM

Full text available: Pdf (553.44 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 16, Downloads (12 Months): 158, Citation Count: 2

Group formation and access rights management become crucial issues when shared workspaces are used to support flexible, emerging group work. End-Users should be able to form groups and adapt access rights for changing groups and workspaces. Current shared ...

Keyw ords: CSCL, CURE, access control, access rights management, group formation, groupware, shared workspaces

6 Empowering user and development communities involvement for collaborative e-gov networks



Adamantios Koumpis, Marios Chatzidimitriou, Vasiliki Moumtzi, Vassilios Peristeras
December 2007 I CEGOV '07: Proceedings of the 1st international conference on Theory and practice of electronic governance

Publisher: ACM

Full text available: Pdf (90.61 KB)

Additional Information: [full citation](#), [abstract](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 77, Citation Count: 0

Work reported in this paper relates with work carried out in the context of two European IST Projects namely SemanticGov (www.semantic-gov.org) and OneStopGov (www.onestopgovproject.org). Both projects aim at implementing innovative Web technologies ...

Keyw ords: capacity building, citizen organizational initiatives, community building, government collaboration patterns research, people, policies, practices, processes, society inclusion initiatives

7 NEST: a network simulation and prototyping testbed



Alexander Dupuy, Jed Schwartz, Yechiam Yemini, David Bacon
October 1990 Communications of the ACM, Volume 33 Issue 10

Publisher: ACM

Full text available: Pdf (5.94 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 60, Citation Count: 20

The Network Simulation Testbed (NEST) is a graphical environment for simulation and rapid-prototyping of distributed networked systems and protocols. Designers of distributed networked systems require the ability to study the systems operations under ...

8 Coordination in emergency response management



Rui Chen, Raj Sharman, H. Raghav Rao, Shambhu J. Upadhyaya
May 2008 Communications of the ACM, Volume 51 Issue 5

Publisher: ACM

Additional Information: [full citation](#),
[abstract](#),
[references](#),
[index terms](#)

Full text available: [Digital Edition](#) , [HTML](#) (26.10 KB), [PDF](#) (10.87 MB)

Bibliometrics: Downloads (6 Weeks): 44, Downloads (12 Months): 312, Citation Count: 0

Developing a framework to analyze coordination patterns occurring in the emergency response life cycle.

9 The management of users, roles, and permissions in JDOSecure



Matthias Merz

August PPPJ '06: Proceedings of the 4th international symposium on Principles and practice
2006 of programming in Java

Publisher: ACM

Full text available: [PDF](#) (495.70 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 65, Citation Count: 1

The Java Data Objects (JDO) specification proposes a transparent and database-independent persistence abstraction layer for Java. Since JDO is designed as a lightweight persistence approach, it does not provide any authentication or authorization capabilities ...

10 Hardware support for spin management in overcommitted virtual machines



Philip M. Wells, Koushik Chakraborty, Gurindar S. Sohi

September PACT '06: Proceedings of the 15th international conference on Parallel
2006 architectures and compilation techniques

Publisher: ACM

Full text available: [PDF](#) (261.29 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 96, Citation Count: 2

Multiprocessor operating systems (OSs) pose several unique and conflicting challenges to System Virtual Machines (System VMs). For example, most existing system VMs resort to gang scheduling a guest OS's virtual processors (VCPUs) to avoid OS synchronization ...


Keyw ords: chip multiprocessors, synchronization overhead, virtual machines

11 Mobility management for hierarchical wireless networks

Guangyu Pei, Mario Gerla

August 2001 Mobile Networks and Applications, Volume 6 Issue 4

Publisher: Kluwer Academic Publishers

Full text available:  Pdf (122.81 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 101, Citation Count: 9

In this paper, we consider the mobility management in large, hierarchically organized multihop wireless networks. The examples of such networks range from battlefield networks, emergency disaster relief and law enforcement etc. We present a novel networks ...

Keyw ords: ad hoc networks, hierarchical routing, mobile networks, mobility management


12 Investigating new approaches to data collection, management and analysis for network intrusion detection



E. Joseph Derrick, Richard W. Tibbs, Larry Lee Reynolds

March 2007 ACM-SE 45: Proceedings of the 45th annual southeast regional conference

Publisher: ACM

Full text available:  Pdf (96.17 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 286, Citation Count: 0

Primary facets of network intrusion detection systems include the collection, management, and analysis of intrusion data. In this paper, we provide an overview of an ongoing project at Radford University to investigate new and innovative approaches in ...


Keyw ords: data collection and analysis, data fusion, data mining, mobile sensors, network intrusion detection systems, wireless networks

13 Free riding-aware forwarding in Content-Addressable Networks

Klemens Böhm, Erik Buchmann

October 2007 The VLDB Journal — The International Journal on Very Large Data Bases, Volume 16 Issue 4

Publisher: Springer-Verlag New York, Inc.

Full text available:  Pdf (554.21 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 39, Citation Count: 0

Research on P2P data structures has tacitly assumed that peers readily participate in the work, i.e., are cooperative. But such participation is voluntary, and free riding is the dominant strategy. This article describes a protocol that renders free ...


Keyw ords: Distributed hashtables, Free riding, Incentives, Peer-to-peer, Reputation

14 A connectivity management system for vehicular telemedicine applications in heterogeneous networks

Frank Steuer, Thomas Geithner, Thomas Kaschwig, Kaan Bür, Sahin Albayrak

March TridentCom '08: Proceedings of the 4th International Conference on Testbeds and 2008 research infrastructures for the development of networks & communities

Publisher: ICST (Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering)

Full text available:  Pdf (1.22 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 13, Downloads (12 Months): 14, Citation Count: 0

Wireless access technologies such as UMTS with HSPA extensions, WiMAX, and Flash-OFDM and the convergence towards next generation heterogeneous networks enable the realization of always best connected scenarios. As the resulting heterogeneous networks ...


Keyw ords: heterogeneous networks, mobile telemedicine, mobility management, seamless handover, testbed, vehicular networks

15 Implementing a wireless network of PDAs in a hospital setting

Phil Turner, Garry Milne, Manfred Kubitscheck, Ian Penman, Susan Turner

July 2005 Personal and Ubiquitous Computing, Volume 9 Issue 4

Publisher: Springer-Verlag

Full text available:  Pdf (326.00 KB)

Additional Information: [full citation](#), [abstract](#), [references](#)

Bibliometrics: Downloads (6 Weeks): 21, Downloads (12 Months): 198, Citation Count: 0

This paper discusses the introduction of a wireless network of personal digital assistants into a specialist unit of a hospital in Edinburgh. All of the technology has been used 'off-the-shelf' and 'out-of-the-box'. While ...

Keyw ords: Medical informatics, PDA, Wireless network


16 A reputation system for peer-to-peer networks



Minaxi Gupta, Paul Judge, Mostafa Ammar

June NOSSDAV '03: Proceedings of the 13th international workshop on Network and 2003 operating systems support for digital audio and video

Publisher: ACM

Full text available:  Pdf (186.94 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 24, Downloads (12 Months): 261, Citation Count: 27

We investigate the design of a reputation system for decentralized unstructured P2P networks like Gnutella. Having reliable reputation information about peers can form the basis of an incentive system and can guide peers in their decision making (e.g., ...

Keyw ords: P2P networks, reputation system

17 Towards commercial mobile ad hoc network applications: a radio dispatch system



Elgan Huang, Wenjun Hu, Jon Crowcroft, Ian Wassell

May MobiHoc '05: Proceedings of the 6th ACM international symposium on Mobile ad hoc
2005 networking and computing

Publisher: ACM

Full text available: Pdf (392.94
KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 15, Downloads (12 Months): 157, Citation Count: 5

We propose a novel and plausibly realistic application scenario for mobile ad hoc networks in the form of a radio dispatch system. We evaluate the system from both financial and technical perspectives to gain a complete picture of its feasibility. Using ...

Keyw ords: application, mobile ad hoc networks, performance

18 Distributed self-stabilizing placement of replicated resources in emerging networks

Bong-Jun Ko, Dan Rubenstein

June IEEE/ ACM Transactions on Networking (TON), Volume 13 Issue 3
2005

Publisher: IEEE Press

Full text available: Pdf (470.74
KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 66, Citation Count: 1

Emerging large scale distributed networking systems, such as P2P file sharing systems, sensor networks, and ad hoc wireless networks, require replication of content, functionality, or configuration to enact or optimize communication tasks. The placement ...

Keyw ords: convergence, graph coloring, replica placement

19 Resource aware programming



Luc Moreau, Christian Queinnec

May ACM Transactions on Programming Languages and Systems (TOPLAS), Volume
2005 27 Issue 3

Publisher: ACM

Full text available: Pdf (807.33
KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 76, Citation Count: 0

We introduce the *Resource Aware Programming* framework, which allows users to monitor the resources used by their programs and to programmatically express policies for the management of such resources. The framework is based on a notion of hierarchical ...

Keyw ords: Resource management, abstract machine, resource algebra, semantics

20 Private collaborative forecasting and benchmarking



Mikhail Atallah, Marina Bykova, Jiangtao Li, Keith Frikken, Mercan Topkara

October 2004 WPES '04: Proceedings of the 2004 ACM workshop on Privacy in the electronic society

Publisher: ACM

Full text available:  Pdf (217.50 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 84, Citation Count: 4

Suppose a number of hospitals in a geographic area want to learn how their own heart-surgery unit is doing compared with the others in terms of mortality rates, subsequent complications, or any other quality metric. Similarly, a number of small businesses ...

Keyw ords: benchmarking, e-commerce, forecasting, privacy, secure multi-party computation, secure protocol

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